

CLAIM AMENDMENTS

1.-9. (Cancelled)

10. (Previously Presented) A method comprising:
generating a modulated signal, the signal comprising a first modulated symbol and a second modulated symbol adjacent to the first modulated symbol in time;
scrambling first pilot tones associated with the first modulated symbol with a first pilot code; and
scrambling second pilot tones associated with the second modulated symbol with a second pilot code to indicate a time interval in which to demodulate the first modulated symbol from the signal.

11. (Original) The method of claim 10, wherein the modulated signal comprises an Orthogonal Frequency Division Multiplexing signal.

12. (Original) The method of claim 10, further comprising:
transmitting the modulated signal.

13. (Original) A method comprising:
receiving a signal containing a modulated symbol;
performing frequency transformations of the signal;
correlating the frequency transformations with a first pilot code;
correlating the frequency transformations with a second pilot code; and
comparing the results of the correlations with the first and second pilot codes to select one of the frequency transformations to obtain an indication of the demodulated symbol.

14. (Original) The method of claim 13, wherein
the first pilot code is associated with the symbol, and
the second pilot code is associated with another symbol adjacent to the first symbol in time.

15. (Original) The method of claim 13, wherein the comparing of the results of the correlations comprises:

finding a time interval between where the correlations peak.

16. (Original) The method of claim 13, wherein the signal comprises an Orthogonal Frequency Division Multiplexing signal.

17.-25. (Cancelled)

26. (Original) A apparatus comprising:

circuitry to receive a signal containing a modulated symbol; and
an engine to:

perform frequency transformations of the signal,

correlate the frequency transformations with a first pilot code,

correlate the frequency transformations with a second pilot code, and

compare the results of the correlations with the first and second pilot codes to
select one of the frequency transformations to obtain an indication of the demodulated symbol.

27. (Original) The apparatus of claim 26, wherein
the first pilot code is associated with the symbol, and
the second pilot code is associated with another symbol adjacent to the first symbol in
time.

28. (Original) The apparatus of claim 26, wherein the engine finds a time interval
between where the correlations peak to select one of the frequency transformations.

29. (Original) The apparatus of claim 26, wherein the signal comprises an Orthogonal
Frequency Division Multiplexing signal.